

L Number	Hits	Search Text	DB	Time stamp
1	369	expansion same bay\$1	USPAT; US-PGPUB	2003/05/04 17:43
4	663	pci same (mini or compact or (small adj form adj factor))	USPAT; US-PGPUB	2003/05/04 17:43
7	11	(pci same (mini or compact or (small adj form adj factor))) and (expansion same bay\$1)	USPAT; US-PGPUB	2003/05/04 17:27
10	66	expansion same bay\$1	EPO; JPO; DERWENT; IBM_TDB	2003/05/04 17:43
15	60	pci same (mini or compact or (small adj form adj factor))	EPO; JPO; DERWENT; IBM_TDB	2003/05/04 17:43
20	0	(pci same (mini or compact or (small adj form adj factor))) same (expansion same bay\$1)	EPO; JPO; DERWENT; IBM_TDB	2003/05/04 17:43

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DOCUMENT-IDENTIFIER: US 5941963 A

TITLE: System and method for interconnection of computer peripherals via multiple interfaces

DATE-ISSUED: August 24, 1999

INVENTOR-INFORMATION:

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COUNTRY				
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US-CL-CURRENT: 710/62, 710/2 , 710/74

ABSTRACT:

A system and method are provided for interconnecting computer peripherals with portable and desktop computers. More specifically, the present invention includes a system and method for simultaneously connecting multiple portable computer peripherals to a single portable computer interface slot, for connecting portable computer peripherals to a desktop computer, and for connecting a portable ZIP drive to a portable computer.

15 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

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Brief Summary Text - BSTX (27):

Another aspect of the present invention is related to the advantageous capability of electrically coupling portable computer peripherals to a desktop computer or an expansion chassis. An internal bay is provided for insertion within a slot or port of the desktop computer. The internal bay is thereby electrically coupled to a communications bus within the desktop computer. The internal bay also provides a port which is compatible with an interface port of a portable computer peripheral. The desktop computer is thus able to interface with the portable computer peripherals as if they were inserted into the portable computer. The portable computer peripherals can still be swapped out of the desktop computer and into the portable computer when they are needed there.

Detailed Description Text - DETX (21):

FIG. 6 shows that an internal bay 102 is electrically coupled to an internal bus slot 104 of the desktop computer 100 by any appropriate means such as direct connection or via a cable, and shown here in a tower or mini-tower configuration. The bus used by the desktop 100 can be any of those commonly used today such as ISA, EISA, Microchannel, VESA, and PCI and which are known to those skilled in the art. Similarly, parallel, serial, SCSI or FireWire peripheral connection might also be used to couple the internal bay 102 to the

desktop computer 100. The internal bay 102 provides an interface between the typically proprietary signals being used by the portable computer peripheral 12, and the industry standardized bus signals. It is envisioned that an internal bay 102 would be purchased for using the portable computer peripherals 12 of only a particular computer portable 14 manufacturer. All of the portable computer peripherals 12 would then be able to function on the desktop computer 100 from within the internal bay 102.